

Table 1.—Preliminary estimates of passage by brood-year (BY) and run for unmarked juvenile Chinook salmon and steelhead trout captured by rotary-screw traps at Red Bluff Diversion Dam (RK391), Sacramento River, CA, for the dates listed below. Results include estimated passage, peak river discharge volume, water temperature, turbidity, and fork length (mm) range in parentheses. A dash (-) indicates that sampling was not conducted on that date.

Date	Discharge volume (cfs) ¹	Water temperature (°C)	Water turbidity (NTU)	Estimated passage				
				BY09 Fall	BY10 Late-fall ²	BY09 Winter	BY09 Spring	BY10 Steelhead
3/26/10	6,010	11.4	2.9	275 (32 – 70)	(0 – 0)	31 (107)	122 (75 – 83)	0 (-)
3/27/10	5,900	12.0	2.2	398 (32 – 66)	(0 – 0)	0 (-)	199 (74 – 82)	0 (-)
3/28/10	5,630	12.5	2.6	252 (32 – 66)	(0 – 0)	31 (155)	157 (74 – 81)	0 (-)
3/29/10	5,520	12.0	1.9	110 (34 – 62)	(0 – 0)	0 (-)	55 (76 – 90)	0 (-)
3/30/10	6,170	11.9	2.7	115 (33 – 62)	(0 – 0)	0 (-)	86 (80 – 94)	0 (-)
3/31/10	6,600	11.3	9.9	259 (31 – 69)	(0 – 0)	289 (108 – 155)	258 (77 – 95)	0 (-)
4/1/10	6,230	10.9	3.7	357 (34 – 72)	98 (31 – 33)	128 (116 – 140)	255 (75 – 90)	31 (160)
4/2/10	5,900	10.9	3.5	158 (63 – 74)	0 (-)	63 (109 – 121)	281 (75 – 92)	0 (-)
4/3/10	8,890	9.7	3.2	663 (35 – 75)	57 (34)	55 (110 – 164)	1,455 (76 – 100)	0 (-)
4/4/10	8,050	9.7	5.8	928 (35 – 75)	161 (28 – 34)	192 (108 – 144)	1,729 (76 – 101)	0 (-)
4/5/10	9,010	9.4	3.7	552 (35 – 75)	115 (33 – 34)	58 (104 – 134)	492 (77 – 92)	0 (-)
4/6/10	8,970	10.5	8.3	1,989 (35 – 76)	206 (32 – 34)	344 (109 – 140)	4,088 (77 – 99)	35 (35)
4/7/10	6,860	11.8	3.3	1,045 (37 – 77)	144 (31 – 34)	29 (125)	1,249 (78 – 102)	29 (177)
4/8/10	6,170	12.4	2.8	699 (37 – 77)	175 (33 – 35)	29 (136)	847 (78 – 102)	0 (-)
Biweekly total³				7,800	956	1,249	11,273	95
<i>Biweekly Lower 90% Confidence Interval</i>				5,783	594	626	8,375	-55
<i>Biweekly Upper 90% Confidence Interval</i>				9,817	1,318	1,872	14,171	245
Brood-year total				7,382,575	956	4,458,664	326,822	1,104
<i>Brood-year Lower 90% Confidence Interval</i>				2,272,000	594	2,579,596	83,324	-269
<i>Brood-year Upper 90% Confidence Interval</i>				12,105,652	1,318	6,337,731	557,766	2,477

¹ Peak daily discharge values do not account for diversions at RBDD and only represent peak flows registered at the Bend Bridge Gauging station (<http://cdec2.water.ca.gov/cgi-progs/queryFx?bnd>).

² Brood year 2010 began on 4/01/10 according to length-at-date criteria (Greene 1992); brood year 2009 total was estimated at 225,976

³ Biweekly totals may be greater than the sum of the daily estimates presented in this table if sampling was not conducted on each day of the biweekly period. A dash (-) denotes those dates. To estimate daily passage for days that were not sampled, we impute missed sample days with the weekly mean value of days sampled within the week.